

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090435-C Mode: Highway Status: Submitted

NC-54

From/Cross Street: McCrimmon Parkway Specific Improvement Type: 7 - Upgrade At-grade

Intersection to Interchange or Grade Separation

To: Project Category: Regional Impact

Length: 2 TIP#: -

Fully Funded in Draft STIP? No

Cost to NCDOT: \$18,600,000

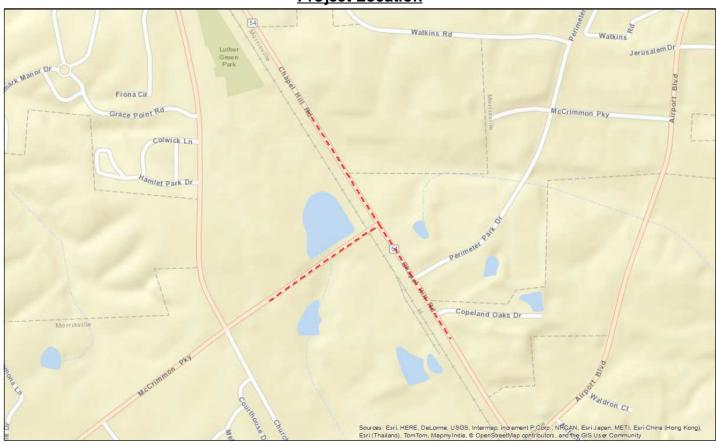
Description:

Upgrade at-Grade Intersecton to Grade Separation with Grade Separation of NCRR

Division(s): Division 5 **County(s):** WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



09/23/2014 02:30 PM Highway **1/4**

NC-54 SPOT ID H090435-C

Statewide Mobility	Total	Score:	0
---------------------------	-------	--------	---

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 62.97

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) Safety (10%) [Travel Time] Benefit/Cost (25%) Accessibility / Connectivity (10%) Totals: Weight: 70% Weighted Score	82.75 66.65 60.48 66.00	Percent: 15% Points: 35	Percent: 15% Points: 35

Division Needs Total Score: 35.31

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%) Totals: Weight: 50% Weighted Scor	82.75 66.65 60.48 e: 35.31	Percent: 25% Points: 0	Percent: 25% Points: 0

09/23/2014 02:30 PM Highway **2/4**

Project Data *

Existing Conditions

Existing Cross-Section: Speed Limit: 45 Length (miles); Arterial Facility Type: None Access Control: Functional Classification: Other Principal Arterial Terrain Type: Rolling Lane Width: 12 Paved Shoulder Width: 2 Roadway has Curb & Gutter? No Volume (AADT): 36000 Capacity: 31600 Volume/Capacity Ratio: 1.14 % Autos: 94% % Trucks: 6% Truck Volume: 2000 0 Crash Density: 0 Crash Severity: 0 Critical Crash Rate: Crash Frequency: 100 Severity Index: 33.3 County Tier Designation: 3 Non-Interstate STRAHNET No Route? 47 Average Commuting Time: Undivided Existing Median Type (for Cost Estimation): Pavement Condition Rating: 88 31.67 Actual Congested Speed: Travel Time Index: 1.42

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	49978000
Travel Time Savings for 30 Years (Autos):	47201444.72
Travel Time Savings for 30 Years (Trucks):	2776555.28
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

09/23/2014 02:30 PM Highway **3/4**

^{*} Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

NC-54 SPOT ID H090435-C

Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 5	100%	35	0
	0%	0	0
	0%	0	0
TOTAL Division Points		35	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	35	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		35	0

Project Cost and Source

Construction Cost:	\$15,000,000	Cost Estimation Tool
Right-of-Way Cost:	\$3,600,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$18,600,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$18,600,000	

09/23/2014 02:30 PM Highway **4/4**